

**ADVANCED CERTIFICATE IN INFORMATION  
SECURITY (ACISE)**

**Term-End Examination**

**June, 2016**

**00286**

**OSEI-044 : SERVER SECURITY**

*Time : 2 hours*

*Maximum Marks : 50*

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- Note :** (i) *Section-A : Answer all the objective questions.*  
(ii) *Section-B : Answer all the very short answer type questions.*  
(iii) *Section-C : Answer 2 out of 3 short answer type questions.*  
(iv) *Section-D : Answer 2 out of 3 long questions.*
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**SECTION - A**

(Attempt all the questions.)

**1x10=10**

1. Which of the following would be a good starting point for troubleshooting if your router is not translating ?
- (a) Reboot
  - (b) Call Company
  - (c) Check for correct configuration
  - (d) Run "debug all" command

2. Which of the following is considered to be the destination host before translation ?
- (a) Inside local
  - (b) Outside local
  - (c) Inside global
  - (d) Outside global
3. Which of the following is/are to be considered the method/s of NAT ?
- (i) Static
  - (ii) IPNAT Pool
  - (iii) Dynamic
  - (iv) NAT double translation
  - (v) Overload
- (a) (ii) and (iv)
  - (b) (iii) only
  - (c) (i), (iii) and (v)
  - (d) All of the above
4. What protocol does PPP use to identify the Network Layer Protocol ?
- (a) NCP
  - (b) ISDN
  - (c) HDLC
  - (d) LCP

5. Which protocol does DHCP use at the transport layer ?
- (a) IP
  - (b) TCP
  - (c) UPP
  - (d) ARP
6. Where is a hub specified in OSI model ?
- (a) Session layer
  - (b) Physical layer
  - (c) Data link layer
  - (d) Application layer
7. Which class of IP addresses has the most host addresses available by default ?
- (a) A
  - (b) B
  - (c) C
  - (d) A and B
8. What is a Stub Network ?
- (a) Network with more than one exit point.
  - (b) Network with more than one exit and entry point.
  - (c) Network with only one entry and no exit point.
  - (d) Network that has only one entry and exit point.

9. Which protocol does Ping use ?
- (a) TCP
  - (b) ARP
  - (c) ICMP
  - (d) Boot P
10. What layer in TCP/IP stack is equivalent to the Transport Layer of the OSI model ?
- (a) Application
  - (b) Host to Host
  - (c) Internet
  - (d) Network Access

### SECTION - B

(Attempt **all** the **very short** answer type questions.)

11. What is email spoofing ? 2
12. Write short note on repudiation. 2
13. Why we need server security ? 2
14. What are the important steps to be taken to secure the server from the outside attack ? 2
15. What is Web Server and Application Security ? 2

## SECTION - C

(Attempt 2 out of 3 short answer type questions.)

5x2=10

16. Describe the various security services provided by the Web Server. 5
17. Discuss the issues raise in the Open Source Linux Server. 5
18. What is software standard specification and code comment requirement ? 5

## SECTION - D

(Attempt 2 out of 3 long questions.) 10x2=20

19. What is Cross-Site scripting attack ? What is potential impact on Server and Clients ? 10
  20. What are the different steps taken in wireless security ? 10
  21. Discuss essentials of patch management policy and practices on the server. Also discuss software patches. 10
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